EXHIBIT U

REPLACEMENT OF EXHIBIT U FILED ON JANUARY 13, 2022 –ECF D179-23

EXHIBIT F-10

Invalidity Claim Chart for U.S. Patent No. 8,141,154 based on Symantec/IBM Digital Immune System ("Digital Immune System")

Grounds

Claims 1, 2, 4, 6, 7, 10 of the '154 patent are rendered obvious by Digital Immune System alone or in combination with VirusWall, AppletTrap, Janus System, Shipp, Khazan, Chander, Sirer or Davis.

Prior Art Status

Digital Immune System was publicly available at least as early as October 1997 and is prior art under at least 35 U.S.C. §§ 102(a) and (b), as elaborated in the following:

- "The Digital Immune System, Enterprise-Grade Anti-Virus Automation In the 21st century," Symantec Technical Brief (2001) (hereinafter, "Symantec"), "Blueprint for a Computer Immune System," by Kephart et al., Proceedings of the Seventh International Virus Bulletin Conference, October 1997, Virus Bulletin Ltd.
- Artificial Immune Systems and their Applications by Spring-Verlag Berlin Heidelbert, 1999 (hereinafter, "Blueprint"), which was published in October 1997.
- "A Biologically Inspired Immune System for Computers," by Kephart, Artificial Life IV, R. Brooks and P. Maes, eds., MIT Press, 1994 (hereinafter, "Biologically Inspired"), which was published in 1994.
- "Biologically Inspired Defenses Against Computer Viruses," by Kephart et al., International Joint Conferences on Artificial Organization (IJCAI), Proceedings of the Fourteenth International Joint Conference on Artificial Intelligence (I), Montreal, Quebec, Canada, August 20-25, 1995 (hereinafter, "Inspired Defenses").
- U.S. Patent No. 5,440,723 issued to Arnold et al. (hereinafter, "Arnold"), which was filed on January 19, 1993, issued on August 8, 1995.

- "Dynamic Detection and Classification of Computer Viruses Using General Behavior Patterns," by Morton Swimmer, Baudouin Le Charlier, and Adbelaziz Mounji, Virus Bulletin Conference, September 1995 (hereinafter, "Swimmer"), which was published in September 1995.
- "Anatomy of a Commercial-Grade Immune System," by Steve R. White, Morton Swimmer, Edward J. Pring, WilliamC.
 Arnold, David M. Chess, John F. Morar, International Virus Bulletin Conference, Vancouver, Canada (hereinafter,
 "Anatomy").

PAN hereby contends that the asserted claims are invalid as anticipated by Digital Immune System under various subsections of 35 U.S.C. § 102 and/or as obvious under 35 U.S.C. § 103 in view of the prior art reference alone, combined with the knowledge of a person of ordinary skill in the art, and/or in combination with other references in PAN's Invalidity Contentions. The chart below discloses how the prior art reference discloses, either expressly or inherently, and/or renders obvious each of the asserted claims.

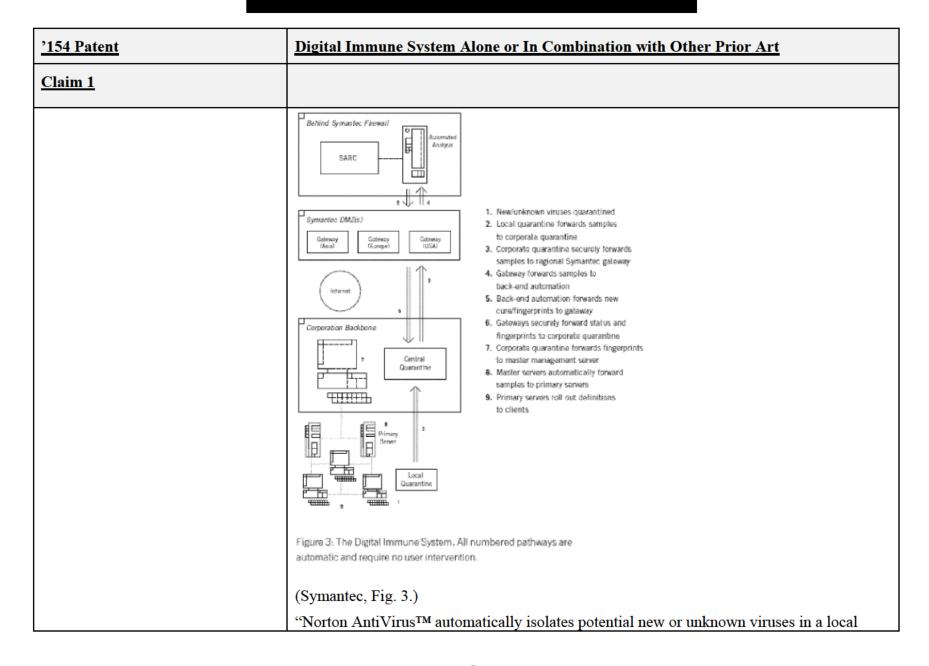
The citations provided are exemplary and do not necessarily include each and every disclosure of the limitation in each reference. PAN has endeavored to cite to the most relevant portions of the identified prior art, but other portions of the identified prior art may additionally disclose, either expressly or inherently, and/or render obvious one or more limitations of the asserted claims. Thus, PAN reserves the right to rely on: (1) uncited portions of the identified prior art; (2) other prior art not identified herein; (3) references that show the state of the art (irrespective of whether such references themselves qualify as prior art to the asserted patents); (4) factual testimony from the inventors or authors of the prior art references, or purveyors of prior art devices; and/or (5) expert testimony, to provide context to or aid in understanding the prior art and the state of the art at the time of the alleged inventions.

This invalidity claim chart is based on PAN's present understanding of the asserted claims and/or Finjan's apparent construction of the claims, as set forth in Finjan's Infringement Contentions. To the extent this invalidity claim chart is based on Finjan's apparent constructions, PAN is not adopting Finjan's apparent constructions, nor is PAN agreeing that any of Finjan's apparent constructions are correct. PAN reserves all rights to advance claim construction positions different from Finjan's apparent constructions.

The lack of a citation for an element should not be deemed an admission that the element is not disclosed or is not inherent in the reference. When the chart indicates a particular reference discloses or embodies a limitation, the terms "discloses," "disclosed," "embodies," and "embodied" refer to explicit and/or inherent disclosure and/or obvious variations of the actual disclosure. Further, to the extent PAN asserts that a claim is indefinite, PAN has used its best efforts to reasonably interpret the claims to fulfill its duties in

iscloses this element and/or renders it obvious either alone or in other references and/or the knowledge of one of ordinary skill in the art. iscloses a content processor (i) for processing content received over a ent including a call to a first function, and the call including an input, and second function with the input, only if a security computer indicates that a safe. Digital immune detects new or unknown threats at the desktop, ay level. Symantec at p. 5. Digital Immune discloses that "[f]irst, it checks adle the sample by itself. It does this by trying to match a checksum of the database of checksums that correspond to previously analyzed files - files be clean and files known to contain a particular virus. If a match is found, dindicating that the file is not infected, or that it is known to be infected with a virus definition set of a particular version or later." Inspired a trinifected is the claimed second function. The described "application eting and displaying" content is the claimed content processor. Inspired a trinifected is the claimed second function. The described "application eting and displaying" content is the claimed content processor. Inspired a trinifected is the claimed second function between a packaged sample is sent is the claimed security my at pp. 11-12 ("a sample of the suspicious object is extracted, packaged in, and sent off to an anti-virus administrator system over the organization's performance of the Digital Immune System as a closed-loop automated the Melissa-class threats, orders-of-magnitude increases in submissions, l-of-service attacks. The Digital Immune System: The percentage of new or unknown threats at the desktop, server, and

'154 Patent	<u>Digital Immune System Alone or In Combination with Other Prior Art</u>
Claim 1	
	gateway.
	12. Makes the full system highly scalable.
	13. Provides secure submission of virus samples and secure distribution of new definitions.
	14. Provides intelligent filtering of submissions to focus system resources on the most critical threats.
	15. Provides high-speed analysis capabilities.
	16. Reduces instances of false positives.
	17. Provides full end-to-end automation of submission, analysis, and distribution of new definitions.
	18. Provides real-time status updates on all submissions.
	19. Manages common flooding conditions and denial of service attacks.
	20. Provides the administrator with the ability to set the level of automation."
	(Symantec at p. 4.)
	"The first step in building an automated anti-virus analysis and response system is detecting new or unknown threats at the desktop, the server, and the gateway. Suspicious files can then be forwarded for automatic analysis and processing." (Symantec at p. 5.)



'154 Patent	Digital Immune System Alone or In Combination with Other Prior Art
Claim 1	
	quarantine on the desktop, server, or gateway. Norton AntiVirus automatically forwards these suspected infections from the local quarantine to the corporate Central Quarantine." (Symantec at p. 6.)
	"From corporate quarantine, administrators can examine all infected files, select the desired automated operations, or manually submit files to Symantec Security Response." (Symantec at p. 6.)
	"When a submission must be sent on to Symantec Security Response, and when configured to do so, Central Quarantine automatically encrypts and sends the submission using the Digital Immune System." (Symantec at p. 6.)
	"UPON RECEIVING A NEW SUBMISSION, THE BACK-END AUTOMATION SYSTEM:
	1. Tracks the submission in a database.
	2. Filters files in the submission to reduce manual processing.
	3. Attempts replication of suspect document and spreadsheet files to generate cures for new and unknown macro and DOS viruses.
	4. Prioritizes submissions that must be handled manually.
	5. Responds to customers with status data, resolution information, and fingerprints." (Symantec at p. 8.)
	"To see how this immune system functions, we now step through an example of detecting a virus at a client system, sending a sample of the virus to a local administrator, transporting it to a virus analysis center, analyzing it, and distributing the cure." (Anatomy at p. 10.)
	"A possibly new virus is detected on a client system. This is done by an anti-virus product on that system, and can be done in a number of ways. Heuristics can detect a new, previously unknown virus either by its appearance, by simulating how it will behave when